

## 8" ECOAT Ultrafiltration Element PVDF Spiral with FRP outer wrap/PVC Housing

### Physical Dimensions

Membrane Element	Style	Membrane Area	Feed Spacer	Element length "A"	Element length "B"	Element diameter "C"	Permeate tube ID "D"
PV400-7637-31N	A	225ft <sup>2</sup> (21.0m <sup>2</sup> )	31mil (0.8mm)	37 in (940mm)	33 in (838mm)	7,4 in (188mm)	1.285 in (32.6mm)
PV400-7640-31N	B	280ft <sup>2</sup> (26.0m <sup>2</sup> )	31mil (0.8mm)	40 in (1.016mm)	38 in (965mm)	7,4 in (188mm)	1.285 in (32.6mm)
PV400-7840-31N	B	312ft <sup>2</sup> (29,0m <sup>2</sup> )	31mil (0.8mm)	39.6in (1.006mm)	38 in (965mm)	7,9 in (200mm)	1.139 in (28.9mm)
PV400-7940-31N	B	310ft <sup>2</sup> (28.8m <sup>2</sup> )	31mil (0.8mm)	40 in (1.016mm)	38 in (965mm)	7,9 in (200mm)	1.139 in (28.9mm)
PV400-7940-31N	B	310ft <sup>2</sup> (28.8m <sup>2</sup> )	31mil (0.8mm)	40 in (1.016mm)	38 in (965mm)	7,9 in (200mm)	1.19 in (30.2mm)
PV400-8640-31N	B*	315ft <sup>2</sup> (29.3m <sup>2</sup> )	31mil (0.8mm)	39,24 (997mm)	37,25 in (946mm)	8,625 in (219,1mm)	1.29 in (32.7mm)
PV400-8640-43N	B*	260ft <sup>2</sup> (24.2m <sup>2</sup> )	31mil (0.8mm)	39,24 (997mm)	37,25 in (946mm)	8,625 in (219,1mm)	1.29 in (32.7mm)
R1-8640-31N	B*	315ft <sup>2</sup> (29.3m <sup>2</sup> )	31mil (0.8mm)	39,24 (997mm)	37,25 in (946mm)	8,625 in (219,1mm)	1.29 in (32.7mm)

### Operating Parameters†

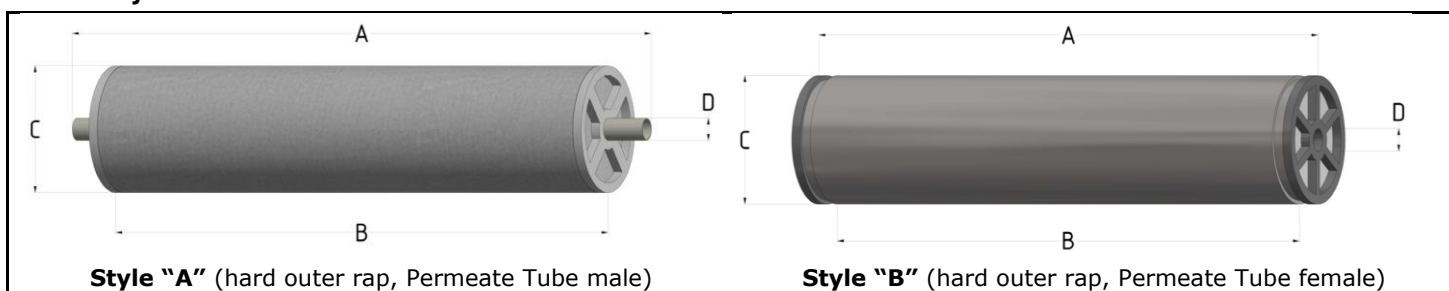
Membrane Element	Feed flow rate	typical inlet pressure	typical outlet pressure	max. permeate back pressure	max. feed side pressure	Max Cleaning Temp
PV400-7637-31N	65gpm (14,7m <sup>3</sup> /h)	50 psi (3.5 bar)	20 psi (1.4 bar)	5 psi (0.35 bar)	31,2 psi (2.2 bar)	120 °F (49 °C)
PV400-7640-31N	70gpm (15,9m <sup>3</sup> /h)	50 psi (3.5 bar)	20 psi (1.4 bar)	5 psi (0.35 bar)	31,2 psi (2.2 bar)	120 °F (49 °C)
PV400-7840-31N	100gpm (22,7m <sup>3</sup> /h)	50 psi (3.5 bar)	20 psi (1.4 bar)	5 psi (0.35 bar)	34 psi (2.4 bar)	120 °F (49 °C)
PV400-7940-31N	100gpm (22,7m <sup>3</sup> /h)	50 psi (3.5 bar)	20 psi (1.4 bar)	5 psi (0.35 bar)	34 psi (2.4 bar)	120 °F (49 °C)
PV400-7940-31N	100gpm (22,7m <sup>3</sup> /h)	50 psi (3.5 bar)	20 psi (1.4 bar)	5 psi (0.35 bar)	34 psi (2.4 bar)	120 °F (49 °C)
PV400-8640-31N*	80gpm (18,0m <sup>3</sup> /h)	50 psi (3.5 bar)	20 psi (1.4 bar)	5 psi (0.35 bar)	34 psi (2.4 bar)	120 °F (49 °C)
PV400-8640-43N*	101gpm (23,0m <sup>3</sup> /h)	50 psi (3.5 bar)	20 psi (1.4 bar)	5 psi (0.35 bar)	34 psi (2.4 bar)	120 °F (49 °C)
R1-8640-31N*	80gpm (18,0m <sup>3</sup> /h)	50 psi (3.5 bar)	20 psi (1.4 bar)	5 psi (0.35 bar)	34 psi (2.4 bar)	120 °F (49 °C)

† Recommended Nominal Values. Consult factory for detailed operating and cleaning instructions. **Order code:** PVxxx-xxxxAF-KA0D

Note: Anodic and Cathodic permeate output will vary depending on system design and paint bath chemistry.

\* with PVC-C Housing. Only end cap needed to install.

### Element Style



The element diameter (dimension C) is designed for optimum performance in Nanostone pressure vessels or end caps. Other pressure vessel dimension and tolerance may result in excessive bypass and loss of capacity.